

LENGTH : 214

5 MOLECULAR TYPE : peptide

ORIGINAL SOURCE : Human

SEQUENCE

	Gly	Lys	Gly	Asp	Pro	Lys	Lys	Pro	Arg	Gly	Lys	Met	Ser	Ser	Tyr	Ala	Phe	Phe	
10					5					10					15				
	Val	Gln	Thr	Cys	Arg	Glu	Glu	His	Lys	Lys	Lys	His	Pro	Asp	Ala	Ser	Val	Asn	
	20					25				30					35				
	Phe	Ser	Glu	Phe	Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser	Ala	Lys	
				40					45					50					
15	Glu	Lys	Gly	Lys	Phe	Glu	Asp	Met	Ala	Lys	Ala	Asp	Lys	Ala	Arg	Tyr	Glu	Arg	
	55					60				65					70				
	Glu	Met	Lys	Thr	Tyr	Ile	Pro	Pro	Lys	Gly	Glu	Thr	Lys	Lys	Lys	Phe	Lys	Asp	
		75					80						85					90	
	Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Ala	Phe	Phe	Leu	Phe	Cys	Ser	Glu	Tyr	
20					95					100					105				
	Arg	Pro	Lys	Ile	Lys	Gly	Glu	His	Pro	Gly	Leu	Ser	Ile	Gly	Asp	Val	Ala	Lys	
	110					115				120					125				
	Lys	Leu	Gly	Glu	Met	Trp	Asn	Asn	Thr	Ala	Ala	Asp	Asp	Lys	Gln	Pro	Tyr	Glu	
			130						135					140					
25	Lys	Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	Glu	Lys	Asp	Ile	Ala	Ala	Tyr	Arg	
	145					150				155					160				
	Ala	Lys	Gly	Lys	Pro	Asp	Ala	Ala	Lys	Lys	Gly	Val	Val	Lys	Ala	Glu	Lys	Ser	
		165					170					175						180	
	Lys	Lys	Lys	Lys	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Glu	
30					185					190					195				
	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Asp	Glu	Glu	Glu	Asp	Asp	Asp	Asp	Glu			
	200					205						210							

SEQ ID NO : 2

LENGTH : 208

TYPE : amino acid

MOLECULAR TYPE : peptide

5 FEATURE : HMG-2

ORIGINAL SOURCE : Human

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
 10 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ser Ser Val Asn
 20 25 30 35
 Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
 40 45 50
 15 Glu Lys Ser Lys Phe Glu Asp Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg
 55 60 65 70
 Glu Met Lys Asn Tyr Val Pro Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp
 75 80 85 90
 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His
 95 100 105
 20 Arg Pro Lys Ile Lys Ser Glu His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys
 110 115 120 125
 Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu
 130 135 140
 25 Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
 Ala Lys Gly Lys Ser Glu Ala Gly Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser
 165 170 175 180
 Lys Lys Lys Asn Glu Pro Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu
 185 190 195
 30 Asp Glu Glu Glu Glu Asp Glu Asp Glu Glu
 200 205

SEQ ID NO : 3

09214881.060799

LENGTH : 214

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-1

5 ORIGINAL SOURCE : Bovine

SEQUENCE

	Gly	Lys	Gly	Asp	Pro	Lys	Lys	Pro	Arg	Gly	Lys	Met	Ser	Ser	Tyr	Ala	Phe	Phe
					5					10					15			
10	Val	Gln	Thr	Cys	Arg	Glu	Glu	His	Lys	Lys	Lys	His	Pro	Asp	Ala	Ser	Val	Asn
	20					25				30					35			
	Phe	Ser	Glu	Phe	Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser	Ala	Lys
				40					45					50				
	Glu	Lys	Gly	Lys	Phe	Glu	Asp	Met	Ala	Lys	Ala	Asp	Lys	Ala	Arg	Tyr	Glu	Arg
	55					60				65					70			
15	Glu	Met	Lys	Thr	Tyr	Ile	Pro	Pro	Lys	Gly	Glu	Thr	Lys	Lys	Lys	Phe	Lys	Asp
		75					80						85					90
	Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Ala	Phe	Phe	Leu	Phe	Cys	Ser	Glu	Tyr
					95					100					105			
	Arg	Pro	Lys	Ile	Lys	Gly	Glu	His	Pro	Gly	Leu	Ser	Ile	Gly	Asp	Val	Ala	Lys
20		110				115					120					125		
	Lys	Leu	Gly	Glu	Met	Trp	Asn	Asn	Thr	Ala	Ala	Asp	Asp	Lys	Gln	Pro	Tyr	Glu
			130						135					140				
	Lys	Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	Glu	Lys	Asp	Ile	Ala	Ala	Tyr	Arg
	145					150					155				160			
25	Ala	Lys	Gly	Lys	Pro	Asp	Ala	Ala	Lys	Lys	Gly	Val	Val	Lys	Ala	Glu	Lys	Ser
		165					170					175						180
	Lys	Lys	Lys	Lys	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Glu
					185					190					195			
	Glu	Glu	Asp	Glu	Glu	Asp	Glu	Glu	Glu	Glu	Glu	Asp	Asp	Asp	Asp	Glu		
30		200					205					210						

SEQ ID NO : 4

LENGTH : 214

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-1

ORIGINAL SOURCE : Porcine

5 SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
 20 25 30 35
 10 Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
 40 45 50
 Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg
 55 60 65 70
 Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp
 15 75 80 85 90
 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr
 95 100 105
 Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys
 110 115 120 125
 20 Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys His Pro Tyr Glu
 130 135 140
 Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
 Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser
 25 165 170 175 180
 Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu
 185 190 195
 Glu Glu Asp Glu Glu Asp Glu Glu Glu Glu Glu Asp Asp Asp Asp Glu
 200 205 210

30

SEQ ID NO : 5

LENGTH : 214

TYPE : amino acid

09214881.060799

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MOLECULAR TYPE : peptide

FEATURE : HMG-1

ORIGINAL SOURCE : Rat

SEQUENCE

5 Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
 20 25 30 35
 Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
 10 40 45 50
 Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu Arg
 55 60 65 70
 Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp
 75 80 85 90
 15 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr
 95 100 105
 Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys
 110 115 120 125
 Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys His Pro Tyr Glu
 20 130 135 140
 Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
 Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val Lys Ala Glu Lys Ser
 165 170 175 180
 25 Lys Lys Lys Lys Glu Glu Glu Asp Asp Glu Glu Asp Glu Glu Asp Glu Glu Glu
 185 190 195
 Glu Glu Glu Glu Glu Asp Glu Glu Glu Glu Glu Asp Asp Asp Asp Glu
 200 205 210

30 SEQ ID NO : 6

LENGTH : 209

TYPE : amino acid

MOLECULAR TYPE : peptide

09214881.060799

FEATURE : HMG-2

ORIGINAL SOURCE : Porcine

SEQUENCE

[illegible]

30 SEQ ID NO : 7
 LENGTH : 186
 TYPE : amino acid
 FEATURE : peptide
 FEATURE : partial sequence of HMG-2

ORIGINAL SOURCE : Bovine

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
 5 Val Gln Thr Ser Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
 20 25 30 35
 Phe Ser Glu/Arg Trp Lys Thr Met Ser Ala Lys Glu Lys Ser Lys Phe Glu Asp
 40 45 50
 Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg Glu Met Lys Asn Tyr Val Pro
 10 55 60 65 70
 Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
 75 80 85 90
 Pro Ser Ala Phe Phe Leu Phe Ser Ala Glu His Arg Pro Lys Ile Lys Ala Glu
 95 100 105
 15 His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys Lys Leu Gly Glu Met Trp Ser
 110 115 120 125
 Gln Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu Gln Lys Ala Ser Lys Leu Lys
 130 135 140
 Glu Lys Tyr Glu Lys Xaa Ala Ala Tyr Arg Ala Lys Gly Lys Ser Glu Ala Gly
 20 145 150 155 160
 Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser Lys Lys Lys Asn Glu Pro Glu Asp
 165 170 175 180
 Glu Glu Glu Glu Glu Glu
 185

25

SEQ ID NO : 8

LENGTH : 209

TYPE : amino acid

MOLECULAR TYPE : peptide

30

FEATURE : HMG-2

ORIGINAL SOURCE : Rat

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

0931481.060799

- 63 -

5 5 10 15
 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ser Ser Val Asn
 20 25 30 35
 Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys
 5 40 45 50
 Glu Lys Ser Lys Phe Glu Asp Met Ala Lys Ser Asp Lys Ala Arg Tyr Asp Arg
 55 60 65 70
 Glu Met Lys Asn Tyr Val Pro Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp
 75 80 85 90
 10 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His
 95 100 105
 Arg Pro Lys Ile Lys Ser Glu His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys
 110 115 120 125
 Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu
 15 130 135 140
 Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
 Ala Lys Gly Lys Ser Glu Val Gly Lys Lys Gly Pro Gly Arg Pro Thr Gly Ser
 165 170 175 180
 20 Lys Lys Lys Asn Glu Pro Glu Asp Glu Glu Glu Glu Glu Glu Glu Asp Asp
 185 190 195
 Glu Asp Glu Glu Glu Glu Asp Glu Asp Glu Glu
 200 205

25 SEQ ID NO : 9

LENGTH : 206

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-2

30 ORIGINAL SOURCE : Chicken

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Tyr Phe
 5 10 15

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- 64 -

Val Gln Thr Cys Pro Arg Glu His Lys Lys Lys His Pro Asp Ser Ser Val Asn
 20 25 30 35
 Phe Ala Glu Phe Ser Arg Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ser Lys
 40 45 50
 5 Glu Lys Gly Lys Phe Glu Glu Met Ala Lys Gly Asp Lys Ala Arg Tyr Asp Arg
 55 60 65 70
 Glu Met Lys Asn Tyr Val Pro Pro Lys Gly Glu Lys Lys Gly Lys Lys Lys Asp
 75 80 85 90
 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu His
 10 95 100 105
 Arg Pro Lys Ile Lys Asn Asp His Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys
 110 115 120 125
 Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Asp Lys Gln Pro Tyr Glu
 130 135 140
 15 Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala Ala Tyr Arg
 145 150 155 160
 Ala Lys Ser Lys Ser Asp Ala Gly Lys Lys Gly Pro Gly Arg Pro Ala Gly Ser
 165 170 175 180
 Lys Lys Lys Ala Glu Pro Glu Glu Glu Glu Glu Glu Glu Asp Glu Glu Glu
 20 185 190 195
 Glu Glu Glu Glu Glu Asp Glu Glu
 200 205

SEQ ID NO : 1 0

25 LENGTH : 201

TYPE : amino acid

MOLECULAR TYPE : peptide

FEATURE : HMG-2a

ORIGINAL SOURCE : Chicken

30 SEQUENCE

Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Met Ser Ala Tyr Ala Phe Phe
 5 10 15
 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn

09214881.060799

20 25 30 35
 Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ser Lys
 40 45 50
 Glu Lys Ala Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg
 5 55 60 65 70
 Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn
 75 80 85 90
 Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro
 95 100 105
 10 Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu
 110 115 120 125
 Gly Glu Met Trp Asn Asn Leu Ser Asp Gly Glu Lys Gln Pro Tyr Asn Asn Lys
 130 135 140
 Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys
 15 145 150 155 160
 Gly Lys Phe Asp Gly Ala Lys Gly Ala Ala Thr Lys Ala Ala Arg Lys Lys Val
 165 170 175 180
 Glu Glu Glu Asp Glu Glu Glu Glu Glu Asp Glu Glu Glu Glu Asp Glu Asp Asp
 185 190 195
 20 Asp Asp Glu
 200

SEQ ID NO : 1 1

LENGTH : 208

25 TYPE : amino acid

MOLECULAR TYPE : peptide

ORIGINAL SOURCE : Mouse

FEATURE : HMG-2

SEQUENCE

30 Gly Lys Gly Asp Pro Ile Lys Pro Leu Gly Lys Met Ser Ser Tyr Ala Phe Phe
 5 10 15
 Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asn Ser Ser Val Asn
 20 25 30 35

09214831-060799

-66-

Phe Ala Glu Ile Ser Lys Lys Cys Ser Lys Arg Trp Lys Thr Met Ser Ala Lys
 40 45 50
 Glu Asn Ser Lys Phe Glu Asp Leu Ala Lys Ser Asp Lys Ala Cys Tyr Tyr Arg
 55 60 65 70
 5 Glu Met Lys Asn Tyr Val Ser Pro Lys Gly Asp Lys Lys Gly Lys Lys Lys Asp
 75 80 85 90
 Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Cys Leu Phe Cys Ser Glu Asn
 95 100 105
 Arg Pro Lys Ile Lys Ile Glu Tyr Pro Gly Leu Ser Ile Gly Asp Thr Ala Lys
 10 110 115 120 125
 Lys Leu Gly Glu Met Trp Ser Glu Gln Ser Ala Lys Glu Lys Gln Pro Tyr Glu
 130 135 140
 Gln Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Phe Ala Ala Tyr Arg
 145 150 155 160
 15 Val Lys Gly Lys Ser Glu Ala Gly Lys Lys Gly Pro Gly Arg Pro Ala Gly Ser
 165 170 175 180
 Lys Lys Lys Asn Asp Ser Glu Asp Glu Glu Glu Glu Glu Glu Glu Glu
 185 190 195
 Asp Glu Glu Gly Glu Glu Glu Asp Glu Glu
 20 200 205

SEQ ID NO : 1 2

LENGTH : 32

TYPE : amino acid

25 MOLECULAR TYPE : peptide

FRAGMENT TYPE : N-terminal fragment of 28KDa

ORIGINAL SOURCE

CELL TYPE : neutrophil-type cell derived from promyelocytic leukemia

CELL LINE : neutrophil-type cell line (ATCC CCL-240)

30 FEATURE

IDENTIFICATION METHOD : E

SEQUENCE

Gly Lys Gly Asp Pro Asn Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

0924481-0507660

-67-

5 10 15
Val Gln Thr Xaa Arg Glu Glu His Lys Lys Lys His Pro Asp
20 25 30

5 SEQ ID NO : 1 3

LENGTH : 32

TYPE : amino acid

MOLECULAR TYPE : peptide

FRAGMENT TYPE : N-terminal fragment of 29KDa

10 ORIGINAL SOURCE

CELL TYPE : neutrophil-type cell derived from promyelocytic leukemia

CELL LINE : neutrophil-type cell line (ATCC CCL-240)

FEATURE

IDENTIFICATION METHOD : E

15 SEQUENCE

Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe

5 10 15
Val Gln Thr Xaa Arg Glu Glu His Lys Lys Lys His Pro Asp
20 25 30

0624831-06099